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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/643,220

Applicant(s)

OHARA, KIYOTAKA

Examiner

JAMES J. DEBROW

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 December 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,8,9,15-17 and 22-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,2,22-24,26,27 and 30 is/are allowed.
- 6) ☒ Claim(s) 8,9,15-17,25 and 28, 29 and 31-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsman's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

This action is responsive to communications: Remarks filed on 06 Dec 2007.

Claims 1, 2, 8, 9, 15-17 and 22-33 are pending in this case. Claims 1, 8, 15, 16, 17 and 25-33 are independent claims.

Applicant's Response

In Applicant's response dated 06 Dec 2007. Applicant canceled claims 3-7, 10-14 and 18-21; added new claims 25-33; argued against all objections and rejection previously set forth in previous Office Action.

Claim Objections

Claim16 is objected to because of the following informalities: the claim recites "*an extracting system that extracts the list of location of the print to be printed.....*". The claim should be amended to recite "*an extracting system that extracts the list of location of the print data to be printed.....*".Appropriate correction is required.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 8, 9 and 15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shima (US 6,362,894 B1; Filing Date Nov. 25, 1998) (hereinafter ‘Shima-894’) in view of Iwata (Patent No.: US 6,778,289 B1, Effective Filing Date: Jun. 18, 1999) (hereinafter “Iwata”) further in view of Ashley et al. (Pub. No.: US 2003/0231327 A1; Filing Date: Jun. 3, 2002) (hereinafter ‘Ashley’).

Regarding independent claim 8, Shima-894 discloses a *printing system including a server and a printer which can be communicate with said server, wherein said server comprises:*

a data storage that stores both print data to be printed by said printer and unprintable data which cannot be printed by said printer (col. 2, lines 16-67; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (*location data*). Various formats of information include static images, dynamic image, music, and moving pictures. It has been established and well known in the art that moving pictures are unprintable.).

an extracting system that extracts the print data based on the data stored in said data storage in response to a specific request for the location data received from said printer (col. 7, lines 24-29; Shima-894 discloses transmitting a URL for specifying a Web page to be printed to the network printer. The printer is capable of accessing information resources without using the host computer. Shima-894 also discloses the network accesses specified information resources and receives it only by informing the network printer of the URL of the desired information resources. Thus Shima-894 discloses an extracting system that extracts the print data based on the data stored in said data storage in response to a specific request for location data received from said printer.).

a data transmitting system that transmits to said printer the location data of only the print data generated by said location data generating system (col. 2, lines 16-67; col. 3, lines 49-57; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (*location data*). Shima-894 also discloses the acquired range setting means set the range of information to be acquired based upon the analyzed configuration. For example the acquired range setting mean may be set so that only text data is acquired or only static image data is acquired. Image data according to the predetermine format data is acquired and the image data according to the other formats can be excluded. Using the broadest reasonable interpretation, the Examiner concludes that the excluded data includes but is not limited to unprintable data. Thus Shima-894 discloses a data transmitting system that transmits to said printer

the location data of only the print data generated by said location data generating system.).

wherein said printer comprises:

a location data receiving system that receives the location data transmitted by said data transmitting system (col. 2, lines 16-67; col. 3, lines 49-57; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (location data). Shima-894 also discloses the acquired range setting means set the range of information to be acquired based upon the analyzed configuration. For example the acquired range setting mean may be set so that only text data is acquired or only static image data is acquired. Image data according to the predetermine format data is acquired and the image data according to the other formats can be excluded. Receiving means receives the acquired information and the received information is printed via a printing control means.).

a printing device that prints out the obtained print data obtained by said obtaining system (col. 2, lines 24-44; Shima-894 receiving means receives the acquired information and the received information is printed via a printing control means. The network printer actively accesses information resources without using the host computer and can acquire and print only predetermined information of the information resources.).

an obtaining system that obtains the print data from the location designated by said designating system (col. 2, lines 24-44; Shima-894 the network printer actively

accesses information resources without using the host computer and can acquire and print only predetermined information of the information resources.).

Shima-894 does not expressly disclose:

wherein said server comprises:

a list of location data;

a location data generating system that generates a list of location data of the print data extracted by said extracting system;

wherein said printer comprises:

a location data requesting system that transmits the specific request for the list of location data to said server;

a displaying system that displays the list of location data of only the print data extracted by said extracting system;

a designating system operable to designate one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed by said displaying system;

Iwata teaches *a list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

a location data generating system that generates a list of location data of the print data extracted by said extracting system (col. 2, lines 8-39; col. 5, lines 38-55;

Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server. Iwata teaches the printer request a list of reference information available in the desired server, from the desired server. Upon receiving the request, the server sends back reference information of the individual documents managed by the server itself to the printer.).

a location data requesting system that transmits the specific request for the list of location data to said server (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches the printer transfer the document information transmission request to the server, which request a list of reference information of the documents available in the desired server. Iwata teaches a list of reference information refers to information such as URLs.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-894 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Ashley teaches *a displaying system that displays the list of location data of only the print data extracted by said extracting system* (0020; 0022; Ashley teaches a customizing a printer control panel display. A custom control panel definition may be stored locally at the printer. Ashley also teaches the location identifying information may be one or more network address, URLs, etc. Therefore Ashley teaches the control panel

may display one or more URLs, thus a list of location data. At the time of the invention, it would have been obvious to one of ordinary skill of the art to modify Ashley teaching to provide a displaying system that displays the list of location data of only the print data extracted by said extracting system.).

a designating system operable to designate one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed by said displaying system (0019; 0037; Ashley teaches user-selectable controls, e.g. buttons or tabs, when displayed as part of the control panel allows a user to make different selection which can change a particular printer setting. Ashley also teaches a wide variety of characteristics may be set for each control, such as an identifier, URL or other identifier of an image file to where the contents are located. The controls allows a local user of the printer (e.g. a user standing at the printer rather accessing the printer via a network) to interact with the printer.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ashley with Shima-894 in view of Iwata for the benefit generating a custom printer control panel definition, which generates a control panel display (0014).

Regards dependent claim 9, Shima-894 discloses the printing system according to claim 8, further comprising a data updating system that updates the data stored in said data storage, said data updating system being provided in at least one of

said server, said printer and a device communicably connected with said server (It would be inherent to anyone of ordinary skill in the art that there would be such a mechanism in place, as the data in most databases is not constant. Typically, there is always at least one mechanism for adding and deleting information within the database.).

Regarding independent claim 15, Shima-894 a printer communicable with a server, comprising:

a location data receiving system that receives the list of location data transmitted by the server (col. 2, lines 16-67; col. 3, lines 49-57; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (*location data*). Shima-894 also discloses the acquired range setting means set the range of information to be acquired based upon the analyzed configuration. For example the acquired range setting mean may be set so that only text data is acquired or only static image data is acquired. Image data according to the predetermine format data is acquired and the image data according to the other formats can be excluded. Receiving means receives the acquired information and the received information is printed via a printing control means.).

an extracting system that extracts the location data of print data to be printed by a printer from the location data received by said location data receiving system (col. 7, lines 24-29; Shima-894 discloses transmitting a URL for specifying a Web page to be

printed to the network printer. The printer is capable of accessing information resources without using the host computer. Shima-894 also discloses the network accesses specified information resources and receives it only by informing the network printer of the URL of the desired information resources. Thus Shima-894 discloses an extracting system that extracts the location data of print data to be printed by a printer from the list of location data received by said location data receiving system.).

an obtaining system that obtains the print data from the location designated by said designating system (col. 2, lines 24-44; Shima-894 the network printer actively accesses information resources without using the host computer and can acquire and print only predetermined information of the information resources.).

a printing device that prints out the obtained print data obtained by said obtaining system (col. 2, lines 24-44; Shima-894 receiving means receives the acquired information and the received information is printed via a printing control means. The network printer actively accesses information resources without using the host computer and can acquire and print only predetermined information of the information resources.).

Shima-894 does not expressly disclose a *list of location data of print data to be printed by a printer*.

a location data requesting system that transmits a specific request for the list of location data to the server;

a displaying system that displays the list of location data of only the print data extracted by said extracting system;

a designating system operable to designate one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed by said displaying system;

Iwata teaches *list of location data of print data to be printed by a printer* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

a location data requesting system that transmits a specific request for the list of location data to the server (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches the printer transfer the document information transmission request to the server, which request a list of reference information of the documents available in the desired server. Iwata teaches a list of reference information refers to information such as URLs.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-894 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Ashley teaches *a displaying system that displays the list of location data of only the print data extracted by said extracting system* (0020; 0022; Ashley teaches a customizing a printer control panel display. A custom control panel definition may be

stored locally at the printer. Ashley also teaches the location identifying information may be one or more network address, URLs, etc. Therefore Ashley teaches the control panel may display one or more URLs, thus a list of location data. At the time of the invention, it would have been obvious to one of ordinary skill of the art to modify Ashley teaching to provide a displaying system that displays the list of location data of only the print data extracted by said extracting system.).

a designating system operable to designate one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed by said displaying system (0019; 0037; Ashley teaches user-selectable controls, e.g. buttons or tabs, when displayed as part of the control panel allows a user to make different selection which can change a particular printer setting. Ashley also teaches a wide variety of characteristics may be set for each control, such as an identifier, URL or other identifier of an image file to where the contents are located. The controls allows a local user of the printer (e.g. a user standing at the printer rather accessing the printer via a network) to interact with the printer.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ashley with Shima-894 in view of Iwata for the benefit generating a custom printer control panel definition, which generates a control panel display (0014).

NOTE

It is noted that any citations to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the reference should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. See, MPEP 2123.

Claims 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shima-894 in view of Iwata.

Regarding independent claim 16, Shima-894 discloses *a server communicably connected with a printer comprising:*

a location data storage that stores location data of both print data to be printed by the printer and unprintable data which cannot be printed by said printer (col. 2, lines 16-67; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (location data). Various formats of information include static images, dynamic image, music, and moving pictures. It has been established and well known in the art that moving pictures are unprintable.).

an extracting system that extracts the location of the print to be printed by said printer from the location data stored in said location data storage in response to a specific request for the list of location data received from said printer (col. 7, lines 24-29; Shima-894 discloses transmitting a URL for specifying a Web page to be printed to the

network printer. The printer is capable of accessing information resources without using the host computer. Shima-894 also discloses the network accesses specified information resources and receives it only by informing the network printer of the URL of the desired information resources. Thus Shima-894 discloses an extracting system that extracts the location of the print to be printed by said printer from the location data stored in said location data storage in response to a specific request for the list of location data received from said printer.).

a data transmitting device that transmits to the printer the location data of only the print data extracted by said extracting system (col. 2, lines 16-67; col. 3, lines 49-57; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (*location data*). Shima-894 also discloses the acquired range setting means set the range of information to be acquired based upon the analyzed configuration. For example the acquired range setting mean may be set so that only text data is acquired or only static image data is acquired. Image data according to the predetermine format data is acquired and the image data according to the other formats can be excluded. Using the broadest reasonable interpretation, the Examiner concludes that the excluded data includes but is not limited to unprintable data. Thus Shima-894 discloses a data transmitting device that transmits to the printer the location data of only the print data extracted by said extracting system.).

Shima-894 does not expressly disclose *a list of location data*.

Iwata teaches *a list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-894 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Regarding independent claim 17, Shima-894 discloses *a server communicably connected with a printer comprising:*

a data storage that stores both print data to be printed by the printer and unprintable data which cannot be printed by said printer (col. 2, lines 16-67; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (*location data*). Various formats of information include static images, dynamic image, music, and moving pictures. It has been established and well known in the art that moving pictures are unprintable.).

an extracting system that extracts the print data based on the data stored in said storage in response to a specific request for the location data received from said printer (col. 7, lines 24-29; Shima-894 discloses transmitting a URL for specifying a Web page

to be printed to the network printer. The printer is capable of accessing information resources without using the host computer. Shima-894 also discloses the network accesses specified information resources and receives it only by informing the network printer of the URL of the desired information resources. Thus Shima-894 discloses an extracting system that extracts the print data based on the data stored in said data storage in response to a specific request for location data received from said printer.).

a location data generating system that generates location data of only the print data extracted by said extracting (col. 2, lines 16-67; col. 3, lines 49-57; col. 5, lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file server, which is connected to the Internet via a router, and stores various information resources (*location data*). Shima-894 also discloses the acquired range setting means set the range of information to be acquired based upon the analyzed configuration. For example the acquired range setting mean may be set so that only text data is acquired or only static image data is acquired. Image data according to the predetermine format data is acquired and the image data according to the other formats can be excluded. Using the broadest reasonable interpretation, the Examiner concludes that the excluded data includes but is not limited to unprintable data. Thus Shima-894 discloses a location data generating system that generates location data of only the print data extracted by said extracting.).

a data transmitting device that transmits the location data generated by said location data generating system to the printer in response to a specific request of the location data received from the printer (col. 2, lines 16-67; col. 3, lines 49-57; col. 5,

lines 15-34; 103 in Fig 1; Shima-894 discloses the system consists of a file *server*, which is connected to the Internet via a router, and stores various information resources (*location data*). Shima-894 also discloses the acquired range setting means set the range of information to be acquired based upon the analyzed configuration. For example the acquired range setting mean may be set so that only text data is acquired or only static image data is acquired. Image data according to the predetermine format data is acquired and the image data according to the other formats can be excluded. Using the broadest reasonable interpretation, the Examiner concludes that the excluded data includes but is not limited to unprintable data.).

Shima-894 does not expressly disclose *a list of location data*.

Iwata teaches *list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-894 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

NOTE

It is noted that any citations to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the reference should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. See, MPEP 2123.

Claims 25, 28, 29 and 31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shima (US 6,867,874 B1; Filing Date Nov. 16, 1999) ('Shima-874'), in view of Iwata, further in view of Ashley.

Regarding independent claim 25, Shima-874 discloses *a printing system including a server and a printer which can be communicate with said server, wherein said server comprises:*

a location data storage that stores location data of both print data to be printed by said printer and unprintable data which cannot be printed by said printer (col. 3, lines 3-49; col. 4, lines 33-49; col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server. Thus Shima-874 discloses a location data storage that stores location data of both print data to be printed by said printer and unprintable data which cannot be printed by said printer.).

an extracting system that extracts location data of the print data from the location data in response to a specific request for location data received from said printer (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

a data transmitting system that transmits to said printer the location data of only the print data extracted by said extracting (col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server.).

wherein said printer comprises:

a location data requesting system that transmits the specific request for the location data to said server (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

a location data receiving system that receives the location data transmitted by said data transmitting system (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL

(*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

an obtaining system that obtains the print data from the location designated by said designating system (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

a printing device that prints out the obtained print data obtained by said obtaining system (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

Shima-874 does not expressly disclose *a list of location data*.

a displaying system that displays the list of location data of only the print data received by said location data receiving system;

a designating system operable to designate one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed by said displaying system;

Iwata teaches *a list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Shima-874 with Iwata for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Ashley teaches *a displaying system that displays the list of location data of only the print data extracted by said extracting system* (0020; 0022; Ashley teaches a customizing a printer control panel display. A custom control panel definition may be stored locally at the printer. Ashley also teaches the location identifying information may be one or more network address, URLs, etc. Therefore Ashley teaches the control panel may display one or more URLs, thus a list of location data. At the time of the invention, it would have been obvious to one of ordinary skill of the art to modify Ashley teaching to provide a displaying system that displays the list of location data of only the print data extracted by said extracting system.).

a designating system operable to designate one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed by said displaying system (0019; 0037; Ashley teaches user-selectable controls, e.g. buttons or tabs, when displayed as part of the control panel allows a user to make different selection which can change a particular printer setting. Ashley also teaches a wide variety of characteristics may be set for each control, such as an identifier, URL or other identifier of an image file to where the contents are

located. The controls allows a local user of the printer (e.g. a user standing at the printer rather accessing the printer via a network) to interact with the printer.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ashley with Shima-874 in view of Iwata for the benefit generating a custom printer control panel definition, which generates a control panel display (0014).

Regarding independent claim 28, Shima-874 discloses *a method of printing data with a server and a printer which can be communicate with said server, with the server including a data storage that stores both print data to be printed by said printer and unprintable data which cannot be printed by said printer comprising:*

transmitting a specific request for a list of location data to said server (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

extracting the print data based on the data stored in said data storage in response to the specific request for location data received from said printer (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data

in accordance to the URL from the database and sends the structure data to the printer.).

transmitting to said printer the location data of only the print data generated (col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server.).

receiving the location data transmitted (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer. Shima-874 discloses the printer receiving the location data transmitted from the printer.).

obtaining the print data from the location designated (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

printing out the obtained print data obtained (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

Shima-874 does not expressly disclose *the list of location data*.

generating a list of location data of the print data extracted.

displaying the list of location data of only the print data extracted;
designating one of a plurality of locations by a user operation, the plurality of
locations being indicated by the list of location data of the print data displayed;

Iwata teaches *the list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

generating a list of location data of the print data extracted (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches the printer request a list of reference information of documents available in the desired server. Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-874 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Ashley teaches *a displaying system that displays the list of location data of only the print data extracted* (0020; 0022; Ashley teaches a customizing a printer control panel display. A custom control panel definition may be stored locally at the printer. Ashley also teaches the location identifying information may be one or more network

address, URLs, etc. Therefore Ashley teaches the control panel may display one or more URLs, thus a list of location data. At the time of the invention, it would have been obvious to one of ordinary skill of the art to modify Ashley teaching to provide a displaying system that displays the list of location data of only the print data extracted by said extracting system.).

designating one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed (0019; 0037; Ashley teaches user-selectable controls, e.g. buttons or tabs, when displayed as part of the control panel allows a user to make different selection which can change a particular printer setting. Ashley also teaches a wide variety of characteristics may be set for each control, such as an identifier, URL or other identifier of an image file to where the contents are located. The controls allows a local user of the printer (e.g. a user standing at the printer rather accessing the printer via a network) to interact with the printer.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ashley with Shima-874 in view of Iwata for the benefit generating a custom printer control panel definition, which generates a control panel display (0014).

Regarding independent claim 29, Shima-874 discloses *a method of printing data with a server and a printer which can be communicate with said server, with the*

server including a location data storage that stores location data of both print data to be printed by said printer and unprintable data which cannot be printed by said printer, comprising:

transmitting a specific request for location data to said server (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

extracting the location data of the print data from the location data in response to the specific request for the location data received from said printer (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*specific request for the location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

transmitting to said printer the location data of only the print data extracted(col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server.).

receiving the location data transmitted (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL

from the database and sends the structure data to the printer. Shima-874 discloses the printer receiving the location data transmitted from the server.).

obtaining the print data from the location designated; and printing out the obtained print data obtained (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

Shima-874 does not expressly disclose *the list of location data*.
displaying the list of location data of only the print data received;
designating one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed;

Iwata teaches *the list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-874 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Ashley teaches *displaying the list of location data of only the print data received* (0020; 0022; Ashley teaches a customizing a printer control panel display. A custom control panel definition may be stored locally at the printer. Ashley also teaches the location identifying information may be one or more network address, URLs, etc. Therefore Ashley teaches the control panel may display one or more URLs, thus a list of location data. At the time of the invention, it would have been obvious to one of ordinary skill of the art to modify Ashley teaching to provide a displaying system that displays the list of location data of only the print data extracted by said extracting system.).

designating one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed (0019; 0037; Ashley teaches user-selectable controls, e.g. buttons or tabs, when displayed as part of the control panel allows a user to make different selection which can change a particular printer setting. Ashley also teaches a wide variety of characteristics may be set for each control, such as an identifier, URL or other identifier of an image file to where the contents are located. The controls allows a local user of the printer (e.g. a user standing at the printer rather accessing the printer via a network) to interact with the printer.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ashley with Shima-874 in view of Iwata for the benefit generating a custom printer control panel definition, which generates a control panel display (0014).

Regarding independent claim 31, Shima-874 discloses *a computer accessible recording medium storing a program to be executed by a computer of a printer communicable with a server, the program comprising instructions for* (col. 2, lines 19-28):

transmitting a specific request for location data to the server (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

receiving the of location data transmitted by the server (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer. Shima-874 discloses the printer receiving the location data transmitted from the server.).

extracting the location data of print data to be printed by a printer from the location data received (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*specific request for the location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

obtaining the print data from the location designated (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

printing out the obtained print data obtained (col. 3, lines 3-34; Shima-874 discloses the printer is capable of obtaining a resource (*print data*) from the Web server on the network and printing such resources.).

Shima-874 does not expressly disclose *the list of location data*.
displaying the list of location data of only the print data extracted;
designating one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed;

Iwata teaches *the list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Iwata with Shima-874 for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Ashley teaches *displaying the list of location data of only the print data extracted* (0020; 0022; Ashley teaches a customizing a printer control panel display. A custom control panel definition may be stored locally at the printer. Ashley also teaches the location identifying information may be one or more network address, URLs, etc.

Therefore Ashley teaches the control panel may display one or more URLs, thus a list of location data. At the time of the invention, it would have been obvious to one of ordinary skill of the art to modify Ashley teaching to provide a displaying system that displays the list of location data of only the print data extracted by said extracting system.).

designating one of a plurality of locations by a user operation, the plurality of locations being indicated by the list of location data of the print data displayed (0019; 0037; Ashley teaches user-selectable controls, e.g. buttons or tabs, when displayed as part of the control panel allows a user to make different selection which can change a particular printer setting. Ashley also teaches a wide variety of characteristics may be set for each control, such as an identifier, URL or other identifier of an image file to where the contents are located. The controls allows a local user of the printer (e.g. a user standing at the printer rather accessing the printer via a network) to interact with the printer.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Ashley with Shima-874 in view of Iwata for the benefit generating a custom printer control panel definition, which generates a control panel display (0014).

NOTE

It is noted that any citations to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the reference should not be considered to

be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. See, MPEP 2123.

Claims 32 and 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shima-874 in view of Iwata.

Regarding independent claim 32, Shima-874 discloses *a computer accessible recording medium storing a program to be executed by a computer of a server communicable with a printer, the program comprising instructions for* (col. 2, lines 19-28):

storing location data of both print data to be printed by the printer and unprintable data which cannot be printed by said printer (col. 3, lines 3-49; col. 4, lines 33-49; col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server. Thus Shima-874 discloses a location data storage that stores location data of both print data to be printed by said printer and unprintable data which cannot be printed by said printer.).

extracting the location of the print to be printed by said printer from the location data stored in response to a specific request for the location data

received from said printer (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

transmitting to the printer the location data of only the print data extracted (col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server.).

Shima-874 does not expressly disclose *a list of location data*

Iwata teaches *a list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Shima-874 with Iwata for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

Regarding independent claim 33, Shima-874 discloses *a computer accessible recording medium storing a program to be executed by a computer of a server*

communicable with a printer, the program comprising instructions for (col. 2, lines 19-28):

storing both print data to be printed by the printer and unprintable data which cannot be printed by said printer (col. 3, lines 3-49; col. 4, lines 33-49; col. 6, line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server. Thus Shima-874 discloses a location data storage that stores location data of both print data to be printed by said printer and unprintable data which cannot be printed by said printer.).

extracting the print data based on the data stored in response to a specific request for location data received from said printer (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (location data). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

generating a location data of only the print data extracted (col. 3, lines 3-49; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (location data). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer.).

transmitting the location data generated to the printer in response to a specific request of the location data received from the printer (col. 3, lines 3-49; col. 6,

line 51-col. 7, line 21; col. 7, lines 59-65; Shima-874 discloses the Web server receives a transfer request from the printer in accordance to the URL (*location data*). The Web server searches the structural data in accordance to the URL from the database and sends the structure data to the printer. Shima-874 also discloses the data distinguishing unit stores information with each data format regarding whether or not it is printable data. Shima-874 also disclose data format is judged and a transfer request is only made for printable data upon making such transfer request, data unprintable with a printer is not transmitted from the server.).

Shima-874 does not expressly disclose *a list of location data*

Iwata teaches *a list of location data* (col. 2, lines 8-39; col. 5, lines 38-55; Iwata teaches a list of reference information refers to information such as URLs concerning the documents retained in the server.).

Therefore, at the time of the invention, it would have been obvious to a person of ordinary skill in the art to combine Shima-874 with Iwata for the benefit alleviating operational complexity since the user is only required to access the printer when it is desired to print a document of which the user does not know the precise reference information (URL) (col. 5, line 66-col. 6, line 3).

NOTE

It is noted that any citations to specific, pages, columns, lines, or figures in the prior art references and any interpretation of the reference should not be considered to be limiting in any way. A reference is relevant for all it contains and may be relied upon for all that it would have reasonably suggested to one having ordinary skill in the art. See, MPEP 2123.

Response to Arguments

Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection. A new ground(s) of rejection is made in view of Shima-894, Shima-874, Iwata and Ashley.

It is noted that Applicant's extensive amendment significantly changes the scope of the claim invention when taken as a whole.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James J. Debrow whose telephone number is 571-272-5768. The examiner can normally be reached on 8:00-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Hutton can be reached on 571-272-4137. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JAMES DEBROW
EXAMINER
ART UNIT 2176

/Doug Hutton/
Doug Hutton
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